

1. – 5. (CANCELED)

6. (previously presented) A method of observing the operation of an invasive medical device comprising:

operating an invasive medical device from an invasive medical device system to perform an activity within a body;

operating an ultrasonic diagnostic imaging system to observe the invasive medical device by means of a real time three dimensional ultrasonic image;

producing information with the invasive medical device system having coordinate information relating to the activity; and

merging information from the invasive medical device system into the real time three dimensional ultrasonic image at a location in the ultrasonic image data which is determined from the coordinate information,

wherein operating an ultrasonic diagnostic imaging system further comprises processing ultrasonic echo information to produce a real time three dimensional wire frame model of an anatomical region within a volumetric region of the body being imaged.

7. (previously presented) The method of Claim 6, wherein merging information further comprises merging locational information into the real time three dimensional wire frame model at locations where activity of the invasive medical device has been performed.

8. (previously presented) The method of Claim 6, wherein operating an ultrasonic diagnostic imaging system further comprises processing ultrasonic echo information to produce a volume rendered ultrasonic image in real time; and

further comprising displaying both the volume rendered ultrasonic image and the three dimensional wire frame model.

9. (previously presented) The method of Claim 8, wherein merging information further comprises merging locational information into at least one of the three dimensional wire frame model and the volume rendered ultrasonic image at locations where activity of the invasive medical device has been performed.

10. (CANCELED)

11. (previously presented) A method of observing the operation of an invasive medical device comprising:

- operating an invasive medical device from an invasive medical device system to perform an activity within a body;

- operating an ultrasonic diagnostic imaging system to observe the invasive medical device by means of a real time three dimensional ultrasonic image;

- producing information with the invasive medical device system having coordinate information relating to the activity; and

- merging information from the invasive medical device system into the real time three dimensional ultrasonic image at a location in the ultrasonic image data which is determined from the coordinate information;

- further comprising acquiring ECG data; and

- further comprising displaying both the real time three dimensional ultrasonic image containing merged information from the invasive medical device system and an ECG trace,

wherein merging information further comprises merging locational information into the three dimensional ultrasonic image at locations where activity of the invasive medical device has been performed; and wherein displaying further comprises displaying a plurality of ECG traces related to the locations where the activity of the invasive medical device has been performed.

12. (previously presented) The method of Claim 11, wherein operating an ultrasonic diagnostic imaging system further comprises producing a volume rendered three dimensional anatomical ultrasonic image in real time.

13. (previously presented) The method of Claim 11, wherein operating an ultrasonic diagnostic imaging system further comprises producing a real time three dimensional wire frame model of an anatomical region within the volumetric region of the body being imaged.

14. – 19. (CANCELED)